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Attorney Docket No. A-67229-9/463077-36/RFT/RMS/RMK

I THE CONTED STATES PATENT AND TRADEMARK OFFICE

In re application of

DAHIYAT, et al.

Serial No. 09/927,790

Filed: August 10, 2001

For: Protein Design Automation for

Protein Libraries

Group No. 1631

Examiner: Michael Borin, Ph.D.

CERTIFICATE OF MAILING

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Dated: August

Violetia I Davidan

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Box Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying substitute for form PTO-1449. Copies of the references are enclosed.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1,B3, C3 and C4 listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated March 31, 2006, for a counterpart European Patent Application, EP 04015169. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1 and B4, listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated March 14, 2006, for a counterpart European Patent

Filed: August 10, 2001

Application, EP 04016539. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1 listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 28, 2006, for a counterpart European Patent Application, EP 04016943. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A1 and A2 listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 27, 2006, for a counterpart European Patent Application, EP 04015782. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references A2, B3, B5, and B6, listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 17, 2006, for a counterpart European Patent Application, EP 02763433. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in accordance with the provision of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that references B1, B2, B7, B8, B9, C1, and C2, , listed on the enclosed form SB/08A Substitute for PTO-1449 were cited in the International Search Report dated February 17, 2006, for a counterpart European Patent Application, EP 04015112. A copy of the International Search Report for the counterpart EP application is enclosed herewith.

Further, in satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and as required by M.P.E.P. § 2001.06(b), Applicant notes that the present application is related to the following pending patent applications:

- 1. U.S.S.N. 09/782,004, filed February 12, 2001;
- 2. U.S.S.N. 10/101,499, filed March 18, 2002;
- U.S.S.N. 10/218,102, filed August 12, 2002;
- 4. U.S.S.N. 10/666,311, filed September 18, 2003; and
- 5. U.S.S.N. 10/665,307; filed September 18, 2003

Pursuant to 37 C.F.R. §1.97(c), enclosed is a check in the amount of \$180.00 as set forth in 37 C.F.R. §1.17(p). Although no further fee is believed to be due, if this belief is in error the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463077-36 (A-67229-9).

Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,

DORSEY & WHITNEY LLP

Dorsey & Whitney LLP

Intellectual Property Department 555 California Street, Suite 1000 San Francisco, CA 94104-1513 Telephone: (415) 781-1989

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(415) 398-3249

BY:

Timothy A. Worrall, 54,552 for Robin M. Silva, Reg. No. 38,304 Filed under 37 C.F.R. § 1.34(a)

4833-4464-8193\1



STATES PATENT AND TRADEMARK OFFICE

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Respectfully submitted,

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BY:

Timothy A. Worrall, 54,552 for Robin M. Silva, Reg. No. 38,304 Filed under 37 C.F.R. § 1.34(a)

4833-4464-8193\1

Substitute PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO Complete if Known Error! Bookmark not defined.INFORMATION DISCLOSURE Application Number 09/927,790 Filing Date August 10, 2001 First Named Inventor Dahiyat et al. STATEMENT BY APPLICANT Group Art Unit 1631 (use as many sheets as necessary) **Examiner Name** Borin, Michael L. Sheet 1 1 Attorney Docket Number 67229-9 463077-36

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Releva Passages or Relevant Figures Appea
	A1	US-2002-0048772	04-25-2002	Dahiyat et al.	
	A2	US-2002-0090648	07-11-2002	Dahiyat et al.	
	A3	US-2004-0043429 A1	03-04-2004	Dahiyat et al.	
	A4	US-2004-0043430 A1	03-04-2004	Dahiyat et al.	
	A5 ↑	US-5436850	07-25-1995	Eisenberg et al.	
	A6	US-6269312	07-31-2001	Mayo et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶	
	B1 ↑	EP 0549107 A	06-30-1993	Syntex Inc.			
	B2 ↑	WO 00/40715 A	07-13-2000	Trustees of Boston University			
	B3 ↑	WO 01/37147 A	05-25- 2001	Algonomics NV			
	B4 ↑	WO 01/39098 A	05-31-2001	Yissum Research Development Company of the Hebrew			
	B5 ↑	WO 01/61344 A	08-23-2001	California Institute of Technology			
	B6 ↑	WO 03/006154 A	01-23-2003	Xencor, Inc.			
	B7 ↑	WO 94/16090 A	07-21-2004	Molecular Tool, Inc.			
	B8 ↑	WO 98/05765 A	02-12-1998	Novo Nordisk A/S			
	B9 ↑	WO 98/32845 A	07-30-1998	Bionvent International AB		\Box	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶		
	C1 †	Cojee et al. "Seamless gene engineering using RNA- and DNA- overhang cloninig" Nature Biotechnology, vol. 18, (2000) pps. 1087-0156			
	C2 ↑	Gal J. et al. "Directional Cloning of Native PCR Products with Performed Sticky Ends" <i>Mol. Gen. Genet.</i> Vol. 260, no. 6, (1999), pps. 569-573			
	СЗ	Koehl P. et al., "De novo protein design I. in scarch of stability and specificity" <i>J.Mol.Biol.</i> , vol. 293, no. 5, (1999) pps. 1161-1181			
	C4 ↑	Wernisch L. et al. "Automatic protein design with all atom force-fields by exact and heuristic optimization" <i>J. Mol. Biol.</i> Vol. 301, no. 3, (2000), pps. 713-736			
	C5	Dayhoff, M. "Establishing Homologies in Protein Sequences" (1983) Methods in Enzymology, Vol 91, 524-545			

Examiner Signature	Date Considered	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emparor must precede the social number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.